



# OPERATOR MANUAL

## FRADAN POWER BLOWERS



**WARNING**  **DANGER**

Read instructions carefully and follow rules for safe operation.  
Failure to do so could result in serious injury.

**Fradan Manufacturing Corp.**

[www.fradanpower.com](http://www.fradanpower.com)



# WELCOME TO THE FRADAN FAMILY



**CONGRATULATIONS!** You are now the owner of a quality **FRADAN POWER BLOWER**.

FRADAN manufactures a family of high performance, reliable power equipment. Our designs are based on years of personal use of landscape equipment.

We at Fradan have revolutionized the landscaping industry, offering modern, reliable, high performance equipment designed to meet today's environmental demands and exceed tomorrow's.

FRADAN built means durability, quality, maximum performance and non-obsolescence. With proper care and maintenance of your unit, we assure you years of service-free operation. This booklet refers to the information which you should learn in order to take advantage of its outstanding performance.

FRADAN manufacturing would like to thank you for choosing our product and hope that you continue to enjoy the quality and pride that we built into our products.

Always use the proper machine for the job, use a **FRADAN**.

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**WARNING**



**DANGER**

To reduce the potential for accidents, comply with the safety instructions in this manual.  
Failure to comply may result in serious personal injury and/or equipment and property damage.

# INTRODUCTION

The FRADAN Push Blower model is a ruggedly built, high performance gasoline powered unit specially designed for blowing leaves and debris. Proper maintenance and use of the FRADAN Blower will guarantee years of safe, service-free, reliable operation.

We wish for you to gain sufficient knowledge from this booklet before operating your Fradan, and make the best use of it in the future. We urge you to follow these instructions to assure safe and reliable operation.



## TECHNICAL DATA

Model	PB-5.5BS	PB-8.5KY	PB-9HD	PB-10 IC	PB-13KY	PB-13HP	PB-14VG
<b>Engine</b>	Briggs & Stratton 5.5HP Overhead Valve	Kohler 8.5HP Overhead	Honda 9HP Overhead Valve	Briggs & Stratton 10HP Overhead Valve	Kohler 12.75HP Overhead Valve	Honda 13HP Overhead Valve	Briggs & Stratton Vanguard 14HP Overhead Valve
<b>Displacement</b>	206 cm <sup>3</sup> 12.6 in <sup>3</sup>	301 cm <sup>3</sup> 18.37 in <sup>3</sup>	270 cm <sup>3</sup> 16.48 in <sup>3</sup>	305 cm <sup>3</sup> 18.6 in <sup>3</sup>	360 cm <sup>3</sup> 22 in <sup>3</sup>	389 cm <sup>3</sup> 23.74 in <sup>3</sup>	480cm <sup>3</sup> 29.3 in <sup>3</sup>
<b>Spark Plug</b>	Champion RC12YC	NGK BPR4ES	NGK BPRGES	Champion RC12YC	NGK BPR4ES	DENSO W20EPR-U	Champion RC12YC
<b>Tank Capacity</b>	3 qt. 2.85 Liter	7.3 qt. 6.9 Liters	6.4 qt. 6 Liters	4 qt. 3.78 Liters	7.3 qt. 6.9 Liters	6.9 qt. 6.5 Liters	9 qt. 8.5 Liters
<b>Operating Engine Speed</b>	3300 RPM	3300 RPM	3300 RPM	3600 RPM	3300 RPM	3300 RPM	3600 RPM
<b>Tire Pressure</b>	15-20 PSI	15-20 PSI	15-20 PSI	15-20 PSI	15-20 PSI	15-20 PSI	15-20 PSI
<b>Starter</b>	Recoil Starter	Recoil Starter	Recoil Starter	Recoil Starter	Recoil Starter	Recoil Starter	Recoil Starter
<b>Weight</b>	90 lbs.	125 lbs.	123 lbs.	110 lbs.	139 lbs.	150 lbs.	150 lbs.

# GRAPHIC WARNINGS

Because a power blower uses gasoline and blows air and debris at a high speed, safety precautions must be observed to reduce the risk of personal injury. Read this manual carefully. Be familiar with the controls and the proper use of the machine.



This graphic accompanied by the words **WARNING** and **DANGER** calls attention to an act or a condition which can lead to **SERIOUS INJURY**.

**WHEN YOU SEE THIS SYMBOL,  HEED ITS WARNING!  
STAY ALERT!**



**READ & UNDERSTAND** Operator's Manual and Safety Manual.



**ALWAYS WEAR EYE AND EAR PROTECTION.**



## CAUTION

Removal of this cover can result in serious bodily injuries, and will cause heavy damage to the machine.



**KEEP HANDS & FEET AWAY FROM AIR DISCHARGE AREAS.  
ROTATING FAN BLADES WILL CAUSE SERIOUS INJURY.**

**WARNING**



**DANGER**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Specifications, descriptions and illustrative material in this manual are as accurate as known at the time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.



# SAFETY RULES & PRECAUTIONS

Proper safety precautions must be observed. Like all power equipment this unit must be handled carefully.

**DO NOT EXPOSE YOURSELF OR OTHERS TO DANGER.** Follow these general rules. Do not permit others to use this machine unless they are thoroughly responsible and have read, and understand the machine manual and are trained in its operation.

- Always wear safety goggles for eye protection. Dress properly, do not wear loose clothing or jewelry that could become caught in moving parts of the unit. Safe, sturdy, nonskid footwear should always be worn. Long hair should be tied back. It is recommended that legs and feet be covered to protect from flying debris during operation.
- Inspect the entire machine for loose parts (nuts, bolts, screws, etc.) and any damage. Repair or replace as necessary before using the machine.
- **DO NOT USE** any attachment with this Power Blower other than the ones recommended by FRADAN. Serious injury to the operator or bystanders could result as well as damage to the machine.
- Keep the handles free from oil and fuel.
- Do not smoke while handling fuel or filling tank.
- Do not fuel machine in an enclosed room or near open flames. Assure adequate ventilation.
- Always store the fuel in a properly marked container that is approved by local codes and ordinances for such usage.
- Never remove the fuel tank cap while the engine is running.
- Never start or run the engine inside a closed room or building. Fumes from the exhaust contain dangerous carbon monoxide.
- Never attempt to make engine adjustments while the unit is running. Always make engine adjustments with the unit resting on a flat, clear surface.
- Do not use the unit if it is damaged or poorly adjusted. Never remove the machine's guard and front air intake cover.
- Keep children away. Onlookers should be kept at a safe distance from the work area, at least **100 FEET/130 METERS**.
- Never leave the machine unattended.
- Do not use this unit for any job other than those for which it is intended as described in this manual.
- Do not overreach. Keep proper footing and balance at all times. Do not run the unit on very hilly areas or on any unstable footing location.
- Do not use the unit when you are tired or under the influence of medication, drugs or alcohol.



# SAFETY RULES & PRECAUTIONS

- Do not store in a closed area where fuel vapors can reach an open flame from hot water heaters, furnaces, etc. Store in a locked, well ventilated area only.
- Use only FRADAN original equipment parts when servicing the unit. This will ensure safe and proper performance of your product. These parts are available from your dealer. The use of any other accessories or attachments may cause a potential hazard or injury to the user, damage to the machine and void this warranty.
- Clean the machine completely, especially, the fuel tank, its surroundings, and the air cleaner.
- When refueling, be sure to stop the engine and confirm that it is cooled down. Never refuel when the engine is running hot. When gasoline spills, be sure to wipe it up completely and properly dispose of those materials before starting the engine.
- Stay clear of the other workers or bystanders by at least 100 feet / 30 meters.
- When ever approaching an operator of the machine, carefully call his attention and confirm that the operator stops the engine. Be careful not to startle or distract the operator which can cause an unsafe situation.



**WARNING - KEEP CHILDREN, PETS, and BYSTANDERS AWAY** - Do not permit children to contact blower. Keep children a safe distance from work area. Never allow a person mentally ill, under influence of alcoholic drinks or drugs or too young in age, to operate the blower.

- Pay attention to loosening and overheating of parts. If there is any abnormality of the machine, stop operation immediately and check the machine carefully. If necessary, have the machine serviced by an authorized FRADAN dealer. Never continue to operate a machine which may be malfunctioning.
- In start-up or during operation of the engine, never touch hot parts such as the muffler, the high voltage wire or the spark plug.
- After the engine has stopped, the muffler is still hot. Never place the machine in any places where there are flammable materials (dry grass, etc.), combustible gases or combustible liquids.
- Pay special attention to operation in the rain or just after the rain as the ground may be slippery.
- Be careful not to drop the machine or hit it against obstacles.
- Before proceeding to adjust or repair the machine, be sure to stop the engine and detach the spark plug cap from the spark plug.
- When the machine is placed in storage for a long time, drain fuel from the fuel tank and carburetor, clean the parts, move the machine to a safe place and confirm that the engine is cooled down.
- Make periodic inspections to assure safe and efficient operation. For a thorough inspection of your machine, please contact a FRADAN dealer.
- Keep the machine away from fire or sparks.
- Never blow leaves and debris into highways and roadways.
- **DO NOT POINT THE BLOWER OUTLET** in the direction of people, cars, glass, or other similar items which could be injured or damaged by blown debris.

# ASSEMBLY INSTRUCTIONS

- Remove blower unit from box and inspect for shipping damage.
- Position unit to rest on front cover.
- Remove wheel nuts and wheels with a 15/16 wrench.

Handle Assembly  
FIGURE 1

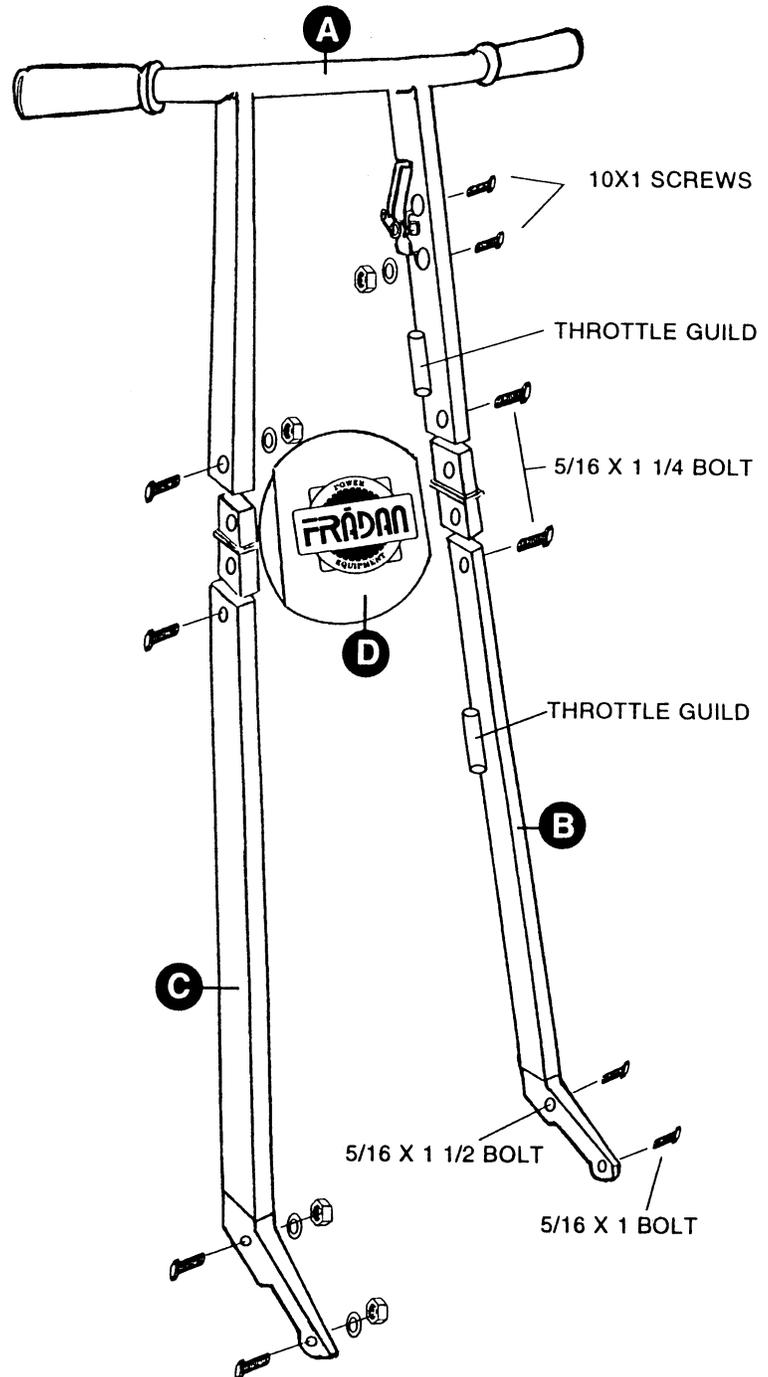
## Handle Assembly (Refer to figure 1).

1. Insert lower handle (B) into upper handle (A) making sure that throttle guides are both in line.
  2. Insert lower handle (C) into upper handle (A).
  3. Install handle plate using four 5/16 x 1 1/4 bolts washers and lock nuts, ensuring that all bolts are properly tightened.
- Install handle assembly to the blower frame using two 5/16 x 1 1/2 bolts, washers and lock nuts, and two 5/16 x 1 1/4 bolt, washer and lock nuts.
  - Ensure that all bolts are properly tightened.
  - Reinstall wheels. Ensure that all bolts are properly tightened.
  - Install throttle cable using two #10 screws, washers and lock nuts.
  - Fill up crank case with proper engine oil. Refer to engine manufacturing manual.
  - Ensure that all nuts, screws and bolts, installed are properly tightened.
  - Check wheel for proper inflation - 15-20 PSI all models. Do not over inflate.
  - Start unit.

### CAUTION:

Check Governed Speed

<b>PB-5.5BS</b>	3300 R.P.M. (maximum)
<b>PB-8.5KY</b>	3600 R.P.M. (maximum)
<b>PB-10IP</b>	3600 R.P.M. (maximum)
<b>PB-9HD</b>	3600 R.P.M. (maximum)
<b>PB-13HD</b>	3300 R.P.M. (maximum)
<b>PB-16VG</b>	3600 R.P.M. (maximum)
<b>PB-13KY</b>	3300 R.P.M. (maximum)



**BE SURE BLOWER IS FULLY ASSEMBLED!**



Never operate blower without all guards and deflectors in place.  
Ensure that all nuts, bolts, screws are installed and properly tightened.

## FUEL & OIL



### **WARNING**

- Never fill the fuel tank to the very top.
- Never add fuel to the tank in a closed non-ventilated area.
- Do not add fuel to this unit close to an open fire or sparks.
- Be sure to wipe off spilled fuel before attempting to start engine.
- **Do not attempt to refuel a hot engine.**



### **WARNING**

All Fradan Blowers are shipped

***WITHOUT OIL.***

When filling oil, refer to  
engine manufacturers' Instruction Manual.

## PREPARING FOR OPERATIONS

When preparing fuel, use only the amount needed for the job you are to do. Do not use fuel that has been stored longer than two months. Fuel stored longer than this will cause hard starting and poor performance. If fuel has been stored longer than this time, it should be removed and filled with fresh fuel.



### **WARNING**

Handle fuel with care. It is highly flammable. Fueling a hot engine or an engine near an ignition source can cause fire and result in serious personal injury and/or property damage.

### **CHECK POINTS BEFORE OPERATION**

1. Check for loose bolts, nuts and fittings.
2. Check the air cleaner for dirt. Clean the air filter of all dirt, etc. before operation.
3. Check to be sure that air intake screen is securely in place.



### **WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

# OPERATING INSTRUCTIONS

For best performance, be sure engine recoil starter assembly, front air intake cover and air discharge are clear and free of leaves or other debris.

Air stream can be directed by simply maneuvering the unit and directing the flow of air accordingly.

Each unit is also fitted with an air deflector. Slight change in deflector will have a big effect on air flow. By moving the air deflector downward, this will allow wet leaves and heavy debris to move more efficiently.

**WARNING**



**DANGER**

Never attempt to remove leaves or other debris from any part of the power blower while it is running.

**WARNING**



**DANGER**

Never attempt to move or adjust deflector while engine is running!

**WARNING**



**DANGER**

**IN ORDER TO AVOID ENGINE DAMAGE DUE TO OVER-HEATING OR OVER-REVVING, KEEP ENGINE RECOIL STARTER ASSEMBLY, THE BLOWER INTAKE AND DISCHARGE AREAS CLEAR AND FREE OF LEAVES OR OTHER DEBRIS. BEFORE ATTEMPTING TO REMOVE ANY LEAVES OR DEBRIS FROM THESE AREAS, THE MACHINE MUST BE TURNED OFF.**

**WARNING**



**DANGER**

- **Do not** smoke while handling fuel.
- **Do not** refuel a hot or running engine.
- **Do not** fill tank indoors.
- **CAUTION** - Do not start or run engine indoors as poisonous carbon monoxide is emitted.
- **Do not** operate in un-ventilated area.

# MAINTENANCE INSTRUCTIONS

1. Keep all nuts, bolts, and screws tight.  
Never store the blower with fuel in its fuel tank inside a building or in a confined space where fumes may reach an open flame or sparks.
3. Always refer to the instruction manual for important details if the product is to be stored for an extended period.
4. Engine - 4 cycle. (Refer to engine manufacturer's operating instructions for fuel recommendations and additional information.)
5. Tires - Inflate to air pressure of 15-20 P.S.I.
6. Labels should be inspected before each use. Replace damaged labels immediately.

## **STORE BLOWER INDOORS:**

When not in use, store blower indoors in a sheltered area (a dry place) where it's not accessible to children. The blower, as well as fuel, should not be stored in a house. Keep throttle in the stop position.

# TROUBLESHOOTING

- Refer to manufacturer's Owners Engine Manual.

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